

**01379200 DEAD RIVER NEAR MILLINGTON, NJ**

PASSAIC RIVER BASIN

LOCATION.--Lat 40°38'59", long 74°31'27" referenced to North American Datum of 1983, Warren Township, Somerset County, NJ, Hydrologic Unit 02030103, at bridge on King George Road (Spur County Route 527), 100 ft upstream from mouth, 2.0 mi south of Millington, and 4.2 mi south of Basking Ridge.

DRAINAGE AREA.--20.8 mi<sup>2</sup>.

**SURFACE-WATER RECORDS**

PERIOD OF RECORD.--Occasional low-flow measurements, water years 1962-67. Miscellaneous measurements, water years 1973-75, 1987-88, and 1998 to current year.

GAGE.--Staff gage.

REMARKS.--Flow includes some sewage effluent.

**DISCHARGE MEASUREMENTS**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Date	Discharge, in ft <sup>3</sup> /s
Dec 5, 2007	24.8
Feb 27, 2008	104
Jun 10, 2008	9.99
Sep 3, 2008	5.18

## 01379200 DEAD RIVER NEAR MILLINGTON, NJ—Continued

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1962, 1963-65, 1967, 1998 to current year.

REMARKS.--Cooperative Network Site Descriptor: Urban Land Use Indicator, NJ Department of Environmental Protection Watershed Management Area 6.

COOPERATION.--Physical measurements and samples for laboratory analysis were collected in cooperation with the NJ Department of Environmental Protection. Determinations of dissolved ammonia, dissolved orthophosphate, and suspended residue were performed by the NJ Department of Health and Senior Services, Environmental and Chemical Laboratory.

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 1 of 3

[Remark codes: <, less than; E, estimated.]

Date	Time	Instantaneous discharge, ft <sup>3</sup> /s (00061)	Turbidity white light, det ang 90+/-30 corrctd NTRU (63676)	UV absorbance, 254 nm, wat flt units /cm (50624)	UV absorbance, 280 nm, wat flt units /cm (61726)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf μS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO <sub>3</sub> (00900)
Dec 05...	1140	25	8.2	.173	.135	749	10.3	75	6.9	845	3.0	2.0	150
Feb 27...	1340	104	11	.136	.105	741	13.1	99	7.1	691	5.0	3.7	110
Jun 10...	0900	10	15	.125	.096	753	2.5	30	7.1	585	24.0	24.6	150
Sep 03...	1130	5.2	16	.102	.078	754	6.7	77	7.4	715	30.5	21.6	150

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 2 of 3

[Remark codes: <, less than; E, estimated.]

Date	Calcium water, fltrd, mg/L (00915)	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	ANC, wat unf fixed end pt, lab, mg/L as CaCO <sub>3</sub> (90410)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L as SiO <sub>2</sub> (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue on evap. at 180degC wat flt mg/L (70300)	Residue total non-filterable, mg/L (00530)	Ammonia + org-N, water, fltrd, mg/L as N (00623)
Dec 05...	38.7	13.1	3.21	97.9	56	205	E.07	15.6	23.6	E439	440	5	.48
Feb 27...	27.6	9.65	1.71	86.5	41	176	E.06	12.1	18.6	E362	385	11	.29
Jun 10...	38.3	13.9	4.46	45.2	90	92.4	E.10	19.7	28.1	E309	351	15	1.9
Sep 03...	38.9	13.7	9.22	73.6	86	116	.16	12.1	45.4	393	419	22	.69

## 01379200 DEAD RIVER NEAR MILLINGTON, NJ—Continued

**WATER-QUALITY DATA**  
**WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008**

Part 3 of 3

[Remark codes: &lt;, less than; E, estimated.]

Date	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Partic- ulate nitro- gen, susp, water, mg/L (49570)	Total nitro- gen, water, fltrd, mg/L (00602)	Total nitro- gen, water, unfltrd mg/L (00600)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L as P (00666)	Phos- phorus, water, unfltrd mg/L as P (00665)	Total carbon, suspnd sedimnt total, mg/L (00694)	Inor- ganic carbon, suspnd sedimnt total, mg/L (00688)	Organic carbon, suspnd sedimnt total, mg/L (00689)	Organic carbon, water, fltrd, mg/L (00681)	Boron, water, fltrd, µg/L (01020)
<b>Dec</b>													
<b>05...</b>	.081	1.54	.05	2.0	2.1	.271	.29	.30	.4	<.04	.4	4.8	136
<b>Feb</b>													
<b>27...</b>	.033	1.10	.06	1.4	1.5	.068	.07	.10	.5	<.04	.5	3.6	77
<b>Jun</b>													
<b>10...</b>	1.34	1.84	.10	3.7	3.8	.836	.83	1.05	.9	<.04	.9	4.1	188
<b>Sep</b>													
<b>03...</b>	.116	6.21	.11	6.9	7.0	1.66	1.65	1.74	.8	<.04	.8	3.9	346